




# SAHIL SUMAN

AWS Certified Cloud Practitioner  
EE'27, NIT Agartala

## EDUCATION

<b>National Institute of Technology, Agartala</b> B.Tech, Electrical Engg.	2023 – 2027 CGPA: 7.8
<b>SRKJ Sr. Sec. School, Kushahar, Bihar</b> Intermidate	2020 – 2022 Percentage: 86%



## CERTIFICATION

<b>AWS Certified Cloud Practitioner</b> Certification · Feb'26 – Feb'29	- Amazon Web Services 
<b>Oracle Cloud DevOps Professional</b> Online Course+Labs · Oct'25 – Oct'27	- Oracle University 
<b>DevOps Fundamentals Beginners to Advanced</b> Online Course · Aug'25	- Udemy 



## PROJECT

**Prescripto: Docter Appointment Platform**    
*Tools: linux · Bash · AWS(EC2,Route53,IAM) · Docker Compose · Jenkins · Nginx.*






- Deployed and orchestrated a production-ready 3-tier MERN application on AWS EC2 with **Nginx reverse proxy for traffic routing**, securing infrastructure through IAM role-based access policies and SSH key authentication to strengthen server-level security posture.
- Established a fully **automated Jenkins CI/CD pipeline integrated with Git webhooks** and optimized **Docker Compose multi-container management**, enabling continuous delivery while eliminating manual intervention and standardizing runtime dependencies across environments.

**User Data App: Backend + Database Deployment**    
*Tools: Nginx · Linux · AWS(EC2) · Docker · Bash · Jenkins · Nodejs · MongoDB.*

- Architected and **containerized a full-stack Node.js/MongoDB application** using Docker and automated a CI/CD pipeline with Jenkins on AWS EC2, streamlining build, testing, and deployment workflows on a cloud-based Linux infrastructure with Nginx reverse proxy.
- Provisioned and managed scalable AWS EC2 cloud infrastructure, leveraging **Bash scripting for server automation** and Git-integrated workflows to ensure zero-downtime deployments and consistent environment reproducibility.

**Currency Converter: Real-Time Exchange Rate Dashboard**    
*Tools: AWS(EC2) · Docker · Kubernetes · Jenkins · Apache.*

- Containerized and orchestrated a real-time currency converter application using Docker and **Kubernetes manifests (Deployments, Services, ConfigMaps)**, achieving scalable, fault-tolerant, and highly available multi-container deployment on AWS EC2 infrastructure.
- Established an end-to-end automated Jenkins CI/CD pipeline integrated with Kubernetes and AWS EC2, streamlining build, testing, and release **workflows to enable continuous delivery** and reduce manual deployment overhead.

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## SKILLS

### DEVOPS TOOLS

Linux · Bash · Git/GitHub/Github Action  
Docker · Jenkins · Kubernetes ·  
Prometheus · Grafana · Nginx · Apache.

### AWS - CLOUD SERVICES

EC2 · S3 · RDS · Aurora · ECS · EKS  
Lambda · Cloudfront · Route 53 & more.

### PROGRAMMING LANGUAGES

Python · C++ · SQL · HTML · CSS  
YAML · Bash Scripting.

### CS FUNDAMENTALS

Computer & Cloud Networking · DSA ·  
OOPs · OS · Virtualization.

### GENERAL SKILLS

Teamwork · Communication · Leadership  
Event Coordination · Adaptability.

## ACHIEVEMENTS

- **EY Techathon 6.0** — Ranked Top 3.3% among 150,000+ teams, demonstrating technical innovation and competitive problem-solving skills.
- **LeetCode** — Solved 400+ DSA problems, strengthening algorithmic thinking and code optimization.
- JEE Mains — Secured Top 3.5% rank among 1.5 million candidates, reflecting strong quantitative and analytical aptitude.
- **Secured 2nd position** at district level in Senior Secondary Examination.

## ACCOUNTABILITY

- **AWS Hands-on Practise** Aug'24 – Now  
Explored core AWS services, built deployed real-world projects on cloud infrastructure.
- **WeCan Club, NITA** Jan'24 – Aug'25  
Core member driving social impact through events, outreach & awareness campaigns.